

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03G7/06 H03F1/32 PTO 12 APR 2005 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO3G HO3F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 9 US 6 114 904 A (MELLOT PASCAL) 1.9 Α 5 September 2000 (2000-09-05) column 1, line 48 - column 2, line 5; figure 2 US 6 108 293 A (NAKANO MASAKI ET AL) 1,9 Α 22 August 2000 (2000-08-22) cited in the application the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents : \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the International document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 23 January 2004 29/01/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2

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INTERNATIONAL SEARCH REPORT

Information on patent family members

F 13/04237

cl	Patent document cited in search report		Publication date	Patent family member(s)		Publication date
l	IS 6114904	Α	05-09-2000	NONE		
Ī	JS 6108293	Α	22-08-2000	JP	11096578 A	09-04-1999